

RECEIVED JULY 27 2006

U. S. PATENT AND TRADEMARK OFFICE
U. S. DEPARTMENT OF COMMERCE

ATTORNEY'S DOCKET NUMBER

ITR0069YP

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/587330

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/US2005/002472	January 26, 2005	January 30, 2004
TITLE OF INVENTION N-BENZYL-3,4-DIHYDROXYPYRIDINE-2-CARBOXAMIDE AND N-BENZYL-2,3-DIHYDROXYPYRIDINE-4-CARBOXAMIDE COMPOUNDS USEFUL AS HIV INTEGRASE INHIBITORS		
APPLICANT(S) FOR DO/EO/US Philip Jones, Peter D. Williams, Matthew M. Morissette, Michelle Sparks Kuo and Joseph P. Vacca		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures [35 U.S.C. 371(f)]. The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (PCT Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed [35 U.S.C. 371(c)(2)] a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed [35 U.S.C. 371(c)(2)]. a. <input type="checkbox"/> is attached hereto b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]. a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].</p>		
Items 11 to 20 below concern other document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Letter Regarding the Examination Fee</p>		

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
10/587330		PCT/US2005/002472		ITR0069YP
The following fees are submitted:				
21. <input checked="" type="checkbox"/> Basic national fee.....		\$300		CALCULATIONS
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). \$0 All other situations..... \$200		\$300.00		PTO USE ONLY
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). \$0 Search fee [37 CFR 1.445(a)(2)] has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations..... \$500		\$200.00		
		TOTAL OF 21, 22 and 23=		\$600.00
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
103 - 100 =	3 /50	0.06 = 1	X \$250.00	\$250.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date [37 CFR 1.492(e)].				
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE
Total Claims		16 - 20 =	0	X \$50.00 \$0.00
Independent Claims		4 - 3 =	1	X \$200.00 \$200.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	
TOTAL OF ABOVE CALCULATIONS (SUBTOTAL)				= \$1,050.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date [37 CFR 1.492(f)].				
TOTAL NATIONAL FEE				= \$1,050.00
Fee for recording the enclosed assignment [37 CFR 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.				
TOTAL FEES ENCLOSED				= \$1,050.00
				Amount to be refunded:
				Amount to be charged:
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>13-2755</u> in the amount of <u>\$1,050.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to the Deposit Account No. <u>13-2755</u>. A duplicate copy of this sheet is enclosed.</p>				
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive [37 CFR 1.137(a) or (b)] must be filed and granted to restore the International Application to pending status.</p>				
SEND ALL CORRESPONDENCE TO:				
<p>Customer No. 000210</p> <p>MERCK & CO., INC. Patent Department, RY60-30 P.O. Box 2000 126 East Lincoln Avenue Rahway, New Jersey 07065-0970</p>				
 <p>SIGNATURE</p> <p><u>Kenneth R. Walton</u></p>				
<p>Kenneth R. Walton</p> <p>NAME</p>				
<p><u>32,951</u></p> <p>REGISTRATION NUMBER</p>				
<p>DATE: <u>July 27, 2006</u></p>				
<p>PHONE #: <u>(732) 594-3462</u></p>				

10/587330

Page 1A of TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING
A FILING UNDER 35 U.S.C. 371

APS Rec'd RGT/PJO 27 JUL 2006

Attorney Docket No.: ITR0069YP

International Appln No.: PCT/US2005/002472

International Filing Date: January 26, 2005

Priority Date: January 30, 2004

Title:
N-BENZYL-3,4-DIHYDROXYPYRIDINE-2-CARBOXAMIDE AND
N-BENZYL-2,3-DIHYDROXYPYRIDINE-4-CARBOXAMIDE COMPOUNDS USEFUL AS HIV INTEGRASE INHIBITORS

Inventors: Philip Jones, Peter D. Williams, Matthew M. Morrissette,
Michelle Sparks Kuo and Joseph P. Vacca

EXPRESS MAIL CERTIFICATE

DATE OF DEPOSIT July 27, 2006

EXPRESS MAIL NO. EV660602021US

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL "POST OFFICE TO ADDRESSEE" ON THE ABOVE DATE IN AN ENVELOPE ADDRESSED TO COMMISSIONER FOR PATENTS P.O. BOX 1450, ALEXANDRIA, VIRGINIA 22313-1450.

MAILED BY

Kathy Kluckowski

DATE July 27, 2006

10/587330

IAP5 Rec'd PCT/PFO 27 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Jones et al.	Art Unit:	
Serial No.:	Not Yet Assigned (U.S. National Phase Application of International Application No. PCT/US2005/002472, filed January 26, 2005)	Not Yet Assigned	
Docket No.:	ITR0069YP	Examiner:	
Mailed:	July 27, 2006 (Express Mail)	Not Yet Assigned	
For:	N-BENZYL-3,4-DIHYDROXYPYRIDINE-2-CARBOXAMIDE AND N-BENZYL-2,3-DIHYDROXYPYRIDINE-4-CARBOXAMIDE COMPOUNDS USEFUL AS HIV INTEGRASE INHIBITORS		

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

LETTER - EXAMINATION FEE

Sir:

The fees for national phase entry of the subject application include a \$200 examination fee. This is the fee charged when neither the written opinion prepared by ISA/US nor the international preliminary examination report prepared by IPEA/US indicates that all claims satisfy the provisions of PCT Article 33(1)-(4). The international preliminary examination report has not yet been received from the IPEA/US, so it is not presently known whether or not the IPER will conclude that all the claims satisfy 33(1)-(4). Out of an abundance of caution, the \$200 fee has been paid. However, applicants reserve the right to demand a \$200 credit if the IPER proves favorable as to all claims.

Respectfully submitted,

By:



Kenneth R. Walton, Reg. No. 32,951

Attorney for Applicants

MERCK & CO., Inc.

P.O. Box 2000

Rahway, New Jersey 07065-0907

Tel.: (732) 594-3462

EXPRESS MAIL CERTIFICATE
DATE OF DEPOSIT July 27, 2006
EXPRESS MAIL NO. EUB600602001US
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS
BEING DEPOSITED WITH THE UNITED STATES POSTAL
SERVICE AS EXPRESS MAIL "POST OFFICE TO ADDRESSEE"
ON THE ABOVE DATE IN AN ENVELOPE ADDRESSED TO
COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VIRGINIA 22313-1450.
MAILED BY Randy Kikutowski
DATE July 27, 2006

Date: July 27, 2006